



**Big Dutchman**®



## **Bird Weighing**

Precision weighing systems for all types of poultry  
– mobile or fixed installation –

# Weighing systems for all types of poultry

## Permanent and automatic monitoring of bird weights

Monitoring bird weights is an important tool in modern poultry management. Especially in poultry growing, the exact determination of bird weights is a decisive factor for economic success. However, any farmer keeping broiler breeders, pullets or layers must also check the

weight development of his birds closely. Too high or too low weights always have a negative effect on the production results and also mean that the farmer is not taking full advantage of the birds' genetic potential, which in turn influences the farm's profits negatively.

Big Dutchman can offer the right poultry scale for any application, whether you need a fixed or a mobile version, a stand-alone system or a scale integrated into the production computer. Our experts will be glad to advise you.

	Swing 20	Swing 100	Incas 2	IncasCompact	Nesca
<b>Areas of use</b>	<ul style="list-style-type: none"> <li>• Broiler growing</li> <li>• Duck growing</li> <li>• Turkey rearing</li> <li>• Laying and rearing aviary</li> <li>• Broiler breeder management</li> </ul>	<ul style="list-style-type: none"> <li>• Turkey growing</li> </ul>	<ul style="list-style-type: none"> <li>• Laying aviary</li> <li>• Laying cage</li> </ul>	<ul style="list-style-type: none"> <li>• Broiler growing (AviMax)</li> <li>• Rearing cage</li> <li>• Rearing aviary</li> </ul>	<ul style="list-style-type: none"> <li>• Broiler breeder management</li> </ul>
<b>Weight range</b>	up to 20 kg	up to 100 kg			up to 50 kg
<b>Connection to:</b>					
• ViperTouch/BigFarmNet	✓	✓	✓	✓	✓
• amacs	✓	✓	✓	✓	✓
• BFN app	✓	✓	✓	✓	✓
• ComScale (stand-alone)	✓	✓	✓	✓	—

## Swing 20

### Versatile poultry scale

**Swing 20** consists of a load cell and a platform made of plastic material (or, as an option, stainless steel). Using the telescopic suspension, the platform can easily be adjusted in height and thus be adapted to the birds' age. The birds accept the scale well, resulting in plenty of weighings and therefore also in precise

weight data. Swing 20 is suspended from the barn's ceiling. During the service period, the scale can easily be removed for cleaning while the weighing electronics remain installed close to the ceiling where they are protected against dirt.



Load cell for Swing 20 and Swing 100



Swing 20 in a broiler house



Swing 20 in a house for duck growing



Swing 20 (stainless steel) in a pullet rearing house

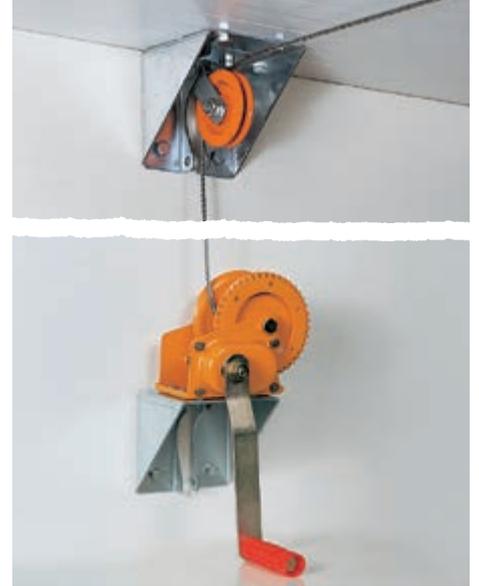
## Swing 100

### Poultry scale for turkeys

**Swing 100** consists of a 1 x 1 m large plastic plate that is fixed to two stainless steel brackets. Swing 100 is attached directly to the load cell by means of four suspension ropes and snap hooks. The suspension point is quite high, keeping swinging motions to a minimum to ensure that the birds accept the scale. This guarantees a high number of weighings and therefore precise weight determination. The scale comes with a winch so that its height can easily be adjusted to meet the birds' age. For cleaning with a high-pressure cleaner, the scale can be released from the snap hooks.



Swing 100 in a house for turkey growing



Cable winch for wall suspension

## Incas 2

### Poultry scale for layers

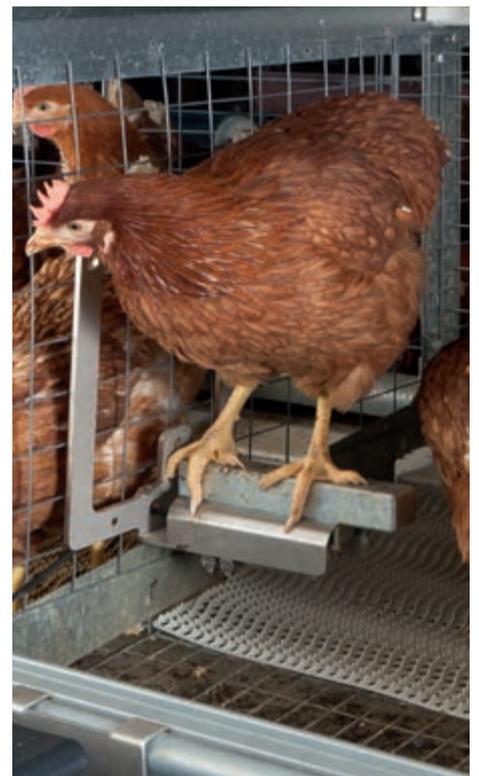
**Incas 2** is a poultry scale that can be used in houses where layers are kept on the floor or in cages. Thanks to the multi-purpose stainless steel suspension, Incas 2 can either be fitted laterally to the wire mesh or, if the

load cell is angled accordingly, be fixed to the system's flooring. Due to its low weight of only 2 kg, Incas 2 is well-suited for use as a mobile poultry scale. The small distance between the floor and the load cell, which is shaped

like a perch, ensures a high number of weighings and therefore precise weight determination.



Incas 2 in a layer aviary



Incas 2 in an enriched colony system

# IncasCompact

## Poultry scale for pullets and the AviMax broiler system

**IncasCompact** is a poultry scale ideal for weighing pullets as well as broilers kept in the AviMax system. It is entirely made of stainless steel. The circular weighing platform has a diameter of 15 cm. IncasCompact is simply placed on the floor where its two feet hook into the flooring. Thanks to its compact design, the scale can also be used for mobile weighing.



IncasCompact in the AviMax broiler system

# Nesca

## Poultry scale for broiler breeders

**Nesca** is a poultry scale recently developed by Big Dutchman for integration into group laying nests (patent pending).

The scale automatically determines the weight of hens visiting the nest to lay their eggs. Nesca records the largest possible range of weights of a great number of hens, whether they are heavy, light or lazy, and without requiring any additional efforts from the staff.

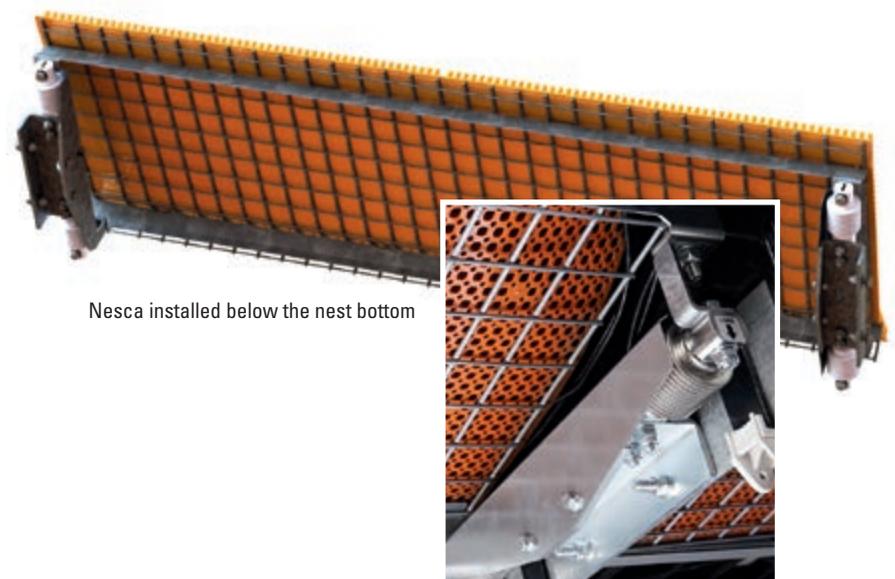
Nesca consists of a bottom wire mesh which rests on four load cells. The load cells transmit their results to the production computer via a weighing module.



Nesca determines the hens' weight while they visit the nest

## Advantages

- ✓ automatic weight determination;
- ✓ a lower number of manual weighings reduces the workload and saves time;
- ✓ the period for weighing can be defined individually, for example before feeding or during the main laying phase;
- ✓ automatic differentiation between males and females during weighing.



Nesca installed below the nest bottom

Weighing module

# ViperTouch and BigFarmNet

## Automatic determination and analysis of bird weights

All poultry scales from Big Dutchman provide exact data on the current bird weights in your barn. Moreover, the coefficient of variation is used to

determine the uniformity of your birds statistically. This makes it easier to evaluate your flock. The number of weighings tells you

whether the birds have accepted the scale, i.e. whether it is positioned correctly.

**ViperTouch** has a 7- or 10-inch coloured touchscreen that can be configured to meet your needs. Up to 12 scales can be connected. The software uses very clear and simple icons and is available in more than 30 languages. In combination with BigFarmNet, you can easily and quickly analyse the scales' data in the office or at home and compare them with reference values or earlier batches.



ViperTouch



BigFarmNet Manager

## The BigFarmNet app

### On the go or directly in the barn



The **BigFarmNet app** will change your daily work. Writing notes and tediously copying them afterwards will no longer be necessary. For example, you can input bird weights you measured manually into the app. These data are then immediately available for analysis in BigFarmNet Manager. Big Dutchman has of course ensured that all communication is encrypted.



With the smartphone on the go



With the tablet, directly in the barn

## amacs

### Automatic determination and analysis of bird weights

The **amacs** agro management and control system is mainly used on large farm complexes. The computer with its 15-inch coloured touchscreen is usually installed in the control cabinet.

Up to 48 poultry scales can be connected. All data can be retrieved via a password-protected and encrypted internet connection using the office PC, smartphone or tablet.



15" touchscreen in the amacs control cabinet



amacs on the farm office PC

# ComScale

## Weighing computer as stand-alone solution



**ComScale** is a stand-alone weighing computer which can be installed in a fixed place in the service room or used as a battery-powered mobile scale. Poultry scales that are available for connection to ComScale include Swing 20 and 70 as well as Incas 2 and IncasCompact.

All measured values can be saved directly in the weighing computer or transferred to a PC using a memory module. From here, the data can be analysed in tables or graphs by means of the corresponding software (optional). An automatic comparison with a pre-defined set curve helps to detect deviations.

Using the GSM version has the advantage that data are transferred daily to the PC via GSM modem (wireless) or to your

mobile phone by text message.

The following data are recorded:

- ✓ daily average weight;
- ✓ number of weighings per day;
- ✓ daily weight gain;
- ✓ standard deviation (sd), coefficient of variation (%) – indicate the deviation of measured weights from the mean value;
- ✓ uniformity;
- ✓ automatic update of the average weight.

# FlexScale

## Manual mobile poultry scale



**FlexScale** is a battery-powered, portable, user-friendly weighing computer that automatically saves manual weighings. FlexScale has a concise display, a large memory and a long battery life.

Data are saved in pre-defined groups. A group may consist of an entire house, of a limited area with males, or of females only. The measured results can be transferred to a PC. The supplied software then shows statistics, histograms and growth curves for easy analysis. The data can also be compared with a set curve. A battery-powered printer is available as an option. This printer allows the producer to print measured results directly from FlexScale.

The scope of delivery for FlexScale includes a simple weighing hook, the battery charger and the carrying case. Another, more comfortable weighing hook is available as an option, making manual weighing of the birds even easier. FlexScale is available in two versions: for up to 30 kg and for up to 50 kg of weight.



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